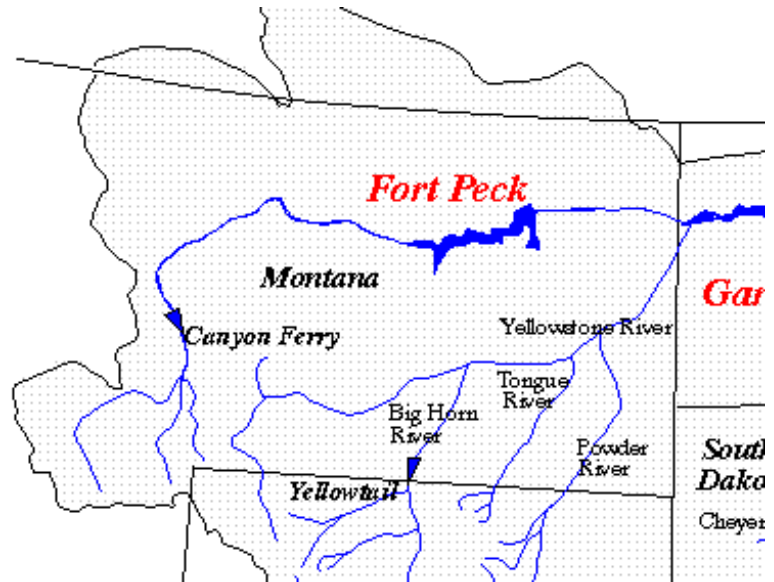


Fort Peck Dam and Reservoir Fact Sheet

Fort Peck Dam is located 19 miles southeast of Glasgow, Montana on the Missouri River approximately 1,771.5 river miles from its mouth.

It was authorized on October 24, 1933 by the Public Works Administration.

Construction began in 1934 and was completed in 1940.



THE DAM

Length of Dam	21,026 feet	6408.724 meters
Type of Fill	Hydraulic and rolled earth fill	
Amount of fill	125,628,000 cubic yards	96,049,498.1 cubic meters
Elevation at Crest	2280.5 feet msl	695.096 meters msl
Tailwater elevation at discharge	2032 feet msl at 5000 cfs 2036 feet msl at 35000 cfs	619.35 at 141.584 cms 620.57 at 991.089 cms
Width at crest	50 feet	15.24 meters
Width at base	4900 feet	1492.52 meters
Date of closure	June 24, 1937	

*Fort Peck Dam is the world's largest hydraulically filled dam, the 2nd largest dam in the U.S. and the 8th largest dam in the world.

msl = mean sea level
cfs = cubic feet per second
cms = cubic meters per second



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TUNNELS

Construction

Began May 1934

Completed June 1937

Size of Tunnel #1
leads to powerhouse #1

5636.7 ft long
24 ft 8 in diameter

1718.07 m
7.52 m

Size of Tunnel #2
Leads to powerhouse #2

6309.5 ft long
22 ft 4 in diameter

1923.14 m
6.81 m

Size of Tunnel #3
Flood control tunnel

6614.78 ft long
24 ft 8 in diameter

2016.18 m
7.52 m

Size of Tunnel #4
Flood control tunnel

7239.66 ft long
24 ft 8 in diameter

2206.65 m
7.52 m



POWERHOUSES

First Powerhouse

Second Powerhouse

Construction

Began in 1941
Completed in 1951

Began in 1958
Completed in 1961

Turbine Generators

3 Francis

2 Francis

Turbine Generator speed

2 @ 128.5 rpm
1 @ 164 rpm

2 @ 128.6 rpm

Total Rated Capacity

2 @ 43000 kW
1 @ 18250 kW

2 @ 40000 kW

Surge tanks

3 @ 40 ft diameter

2 @ 65 ft diameter

Year of initial power
generation

1943

1961

Plant capacity

105250 kW

80000 kW



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Total average annual power generation is 1.1 billion kWh

rpm = revolutions per minute
kW = kilowatt



SPILLWAY

Construction

Began 1934

Completed 1938

Overall Length

5210 ft

1588 m

Gates - 16 total
data is for each gate

25 ft high X 40 ft wide
Weighed 75 tons

7.62 m X 12.19 m
68.04 metric tons

Width at gates

820 ft

249.96 m

Width at outlet

120 ft

36.58 m

Discharge capacity

250000 cfs

7079.21 cms

RESERVOIR

Total Drainage Area

57,500 square miles

148,924.32 square kilometers

Length of Reservoir

134 miles

215.65 kilometers

Shoreline at 2234 feet msl
(normal operating pool)

1520 miles

2446.2 kilometers

Maximum width

16 miles

25.75 kilometers

Average daily inflows

10,200 cfs

288.83 cms

Storage Capacity at 2250
msl (maximum elevation)

18,687,731 acre-feet

Maximum depth

220 ft

67.06 m



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Fort Peck Reservoir is the 5th largest reservoir in the U.S.

cfs = cubic feet per second

cms = cubic meters per second